

[SINGLE STAGE A/D CONVERTER WITH PIEZO TRANSFORMER]

Abstract

A single stage A/D converter with piezo transformer is provided. The A/D converter is suitable for converting an AC power into a DC power and is comprised of a rectification module, a switching module, a driving module, a piezo transformer, and an output rectification module. The present invention provides a new A/D converter with piezo transformer by combining the bulk circuit and the half-bridge circuit together.